

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

- 1-4. (canceled)
5. (currently amended) A method of producing adenovirus, comprising:
  - a) culturing host cells at a temperature ~~below a physiological optimum for promoting host cell growth~~ from 31°C to 34°C;
  - b) infecting the host cells with an adenovirus, resulting in adenovirus-infected host cells;
  - c) culturing the adenovirus-infected host cells at ~~or near a physiologically optimum temperature for producing adenovirus, wherein the culture temperature is above the culture temperature in step a)~~ from 35°C to 38°C;
  - d) harvesting adenovirus and/or cells containing adenovirus from the culture; and,
  - e) purifying adenovirus away from host cell and culture contaminants, resulting in a purified adenovirus product.
6. (currently amended) A method of producing adenovirus, comprising:
  - a) inoculating and culturing host cells in an appropriate medium at a temperature ~~at or near a physiological optimum for host cell growth~~ from 35°C to 38°C;
  - b) shifting the temperature of the host cell culture of step a) to a temperature ~~below a physiological optimum for host cell growth~~ from 31°C to 34°C;
  - c) infecting the host cells of step b) with an adenovirus, resulting in adenovirus-infected host cells;
  - d) culturing the adenovirus-infected host cells at ~~or near a physiologically optimum temperature for producing adenovirus, wherein the culture temperature is above the culture temperature in step a)~~ from 35°C to 38°C;
  - e) harvesting adenovirus and/or cells containing adenovirus from the culture; and,
  - f) purifying adenovirus away from host cell and culture contaminants, resulting in a purified adenovirus product.

7. (currently amended) A method according to claim 6 wherein the culture temperature in step b) is lowered to a temperature ~~below a physiological optimum from 31°C to 34°C~~ for up to the entire cell passages prior to infecting the host cells with the adenovirus.

8. (currently amended) A method according to claim 6 wherein the culture temperature in step b) is lowered to a temperature ~~below a physiological optimum from 31°C to 34°C~~ for at least 24 hours prior to infecting the host cells with the adenovirus.

9. (canceled)

10. (canceled)

11. (canceled)

12. (currently amended) A method according to claim 7 wherein the temperature for cell growth in step a) is from 35°C ~~36°C~~ to 38°C and the temperature for cell growth in step b) is from 31°C to 34°C.

13. (currently amended) A method according to claim 8 wherein the temperature for cell growth in step a) is from 35°C ~~36°C~~ to 38°C and the temperature for cell growth in step b) is from 31°C to 34°C.

14. (currently amended) A method according to claim 7 wherein the temperature for cell growth in step a) is from 35°C ~~36°C~~ to 38°C and the temperature for cell growth in step b) is from 31°C to 34°C and the temperature for growth of infected host cells of step c) is from about 36°C to 38°C.

15. (currently amended) A method according to claim 8 wherein the temperature for cell growth in step a) is from 35°C ~~36°C~~ to 38°C and the temperature for cell growth in step b) is from 31°C to 34°C and the temperature for growth of infected host cells of step c) is from about 35°C ~~36°C~~ to 38°C.